

REMARKS

Claims 1 and 2 have been amended. New claims 3-51 have been added.

In the Office Action, claims 1-2 were rejected under section 102(e) as anticipated by United States Patent No. 6,291,023 to Nigam (the "Nigam patent"). Nigam does not anticipate the claims, for reasons presented below.

The Nigam patent is directed to coating agents selected from azetidinium polymers, guanidine polymers, mixtures of the these polymers, and/or copolymers of azetidinium and guanidine species.

However, Nigam makes almost no mention of the use, identity, or concentration of UV absorber. In Nigam, a reference is made at column 12, lines 6-9 to a "UV absorber", in which it is stated that "conventional components" such as a "UV absorber" could be added, without providing any detail regarding the amount or chemical identity of any such species:

Additional coating components may include, but are not necessarily limited to, inorganic fillers, anti-curl agents, or additional conventional components such as surfactant, plasticizer, humectant, UV absorber, light fastness enhancer, polymeric dispersant, dye mordant, optical brightener, fabric softener, or leveling agent, as are commonly known in the art.
Nigam, column 12, lines 5-10.

In Nigam, the reference to "UV absorber" is no more than a bare reference, or one of many in a "laundry list" of numerous functional components that might *conceivably* be employed in the context of Nigam, and such disclosure is completely without any specific identity of actual chemical compositions or range amounts that could work in practice. Nigam does not identify any of such items, or UV absorbers, by chemical formula, or by concentration, or by other technical description. Nigam merely

suggests the function of absorbing ultraviolet light, without providing any chemical means of achieving such a function.

To anticipate a claim, a reference must contain all of the elements of the claim. Missing elements may not be supplied by knowledge of one skilled in the art, or the disclosure of another reference. An enabling disclosure must be provided. Nigam does not contain all the elements of any of the claims. There can be no anticipation of the claims by Nigam, because Nigam does not teach or disclose the specific embodiments of the claimed inventions.

Claim 1 is directed to a printed textile material comprising a textile substrate with a UV absorber disposed on the textile substrate. In claim 1, the UV absorber is selected from the group consisting of benzyltriazoles, hydroxyphenones, and dihydroxybenzylphenones. Specific support for these compounds is provided at page 4, lines 5-10 of the present specification. There is no disclosure in Nigam of such compounds, and therefore, there is no anticipation of claim 1.

Claim 2 is directed to yet another application of the invention for a method of employing an image or design upon a treated textile substrate by providing a predetermined amount of UV absorber. This method results in a concentration of the UV absorber in the range of about 0.1% to about 10% of the weight of the treated textile substrate. Support for this range is provided at page 4, lines 1-5 in the specification. Nigam does not teach or suggest any such range for a UV absorber, and therefore there can be no anticipation of claim 2 by Nigam.

Claim 3 recites yet another embodiment of the invention, which includes a printed article of manufacture. A UV absorber is provided on a textile substrate in a

concentration of about 0.1% to about 10% by weight of the article of manufacture. No such range or specific teaching is evident in Nigam, and thus there is no anticipation of claim 3 by Nigam.

Independent claim 11 recites the specific chemical identity of UV absorbers. Claim 19 specifically provides for heating the treated substrate to a temperature of at least about 100 degrees Centigrade, thereby facilitating the activation and bonding of amine-containing cationic compounds. No such elevated temperature is evident in the teachings of Nigam.

Independent claim 30 recites a specific range. Independent claim 41 recites the chemical identity of specific UV absorbers. None of these claims, or claims depending from them, are anticipated by Nigam.

Serial No.: 09/943,919
Inventor(s): Li et al.

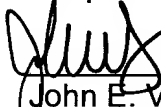
U.S. PTO Customer No. 25280
Case No.: 5312

Additional IDS: A Supplemental IDS is submitted with this Amendment, and it is therefore requested that the Examiner consider each reference cited therein, and provide written notification of his/her consideration of such references for all purposes.

Fee Authorization: In the event that there are additional fees associated with the submission of these papers, Applicant hereby authorizes the Commissioner to withdraw those fees from our Deposit Account No. 04-0500.

Extension of Time: In the event that additional time is required to have the papers submitted herewith for the above referenced application to be considered timely, Applicant hereby petitions for any additional time required to make these papers timely and authorization is hereby granted to withdraw any additional fees necessary for this additional time from our Deposit Account No. 04-0500.

Respectfully submitted,



John E. Vick, Jr.
Registration No. 33,808

MILLIKEN AND COMPANY
920 Milliken Road, M-495
Spartanburg, SC 29303
Telephone (864) 503-1383
Facsimile (864) 503-1999